



CONSTRUCTION EQUIPMENT

SPM645276-10 VOLVO A25G 752508 - DIESEL ENGINE



Sample No: VCP420953
Oil Type: NOT GIVEN
Job No: SPM645276-10



SAMPLE INFORMATION

Sample Number	VCP420953	---	---	---
Sample Date	02 Dec 2023	---	---	---
Machine Hours	1734	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT COMPANY

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T:
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OIL CONDITION

Visc @ 100°C	cSt	▲ 6.5	---	---	---
Base Number (BN)	mg KOH/g	■ 5.2	---	---	---
Oxidation (PA)	%	■ 69	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.4	---	---	---
Nitration (PA)	%	■ 76	---	---	---
Sulfation (PA)	%	■ 55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	◆ 34.2	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 0	---	---	---



WEAR METALS

Iron	ppm	■ 16	---	---	---
Copper	ppm	■ 50	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 35	---	---	---
Nickel	ppm	■ 6	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 1163	---	---	---
Magnesium	ppm	■ 304	---	---	---
Zinc	ppm	■ 699	---	---	---
Phosphorus	ppm	■ 548	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 8	---	---	---

Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0090
Unique No: 10776799
Signed: Jonathan Hester
Report Date: 14 Dec 2023



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GRAPHS

Iron (ppm)



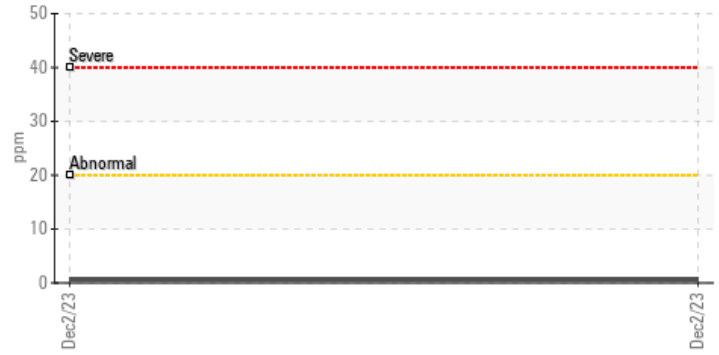
Lead (ppm)



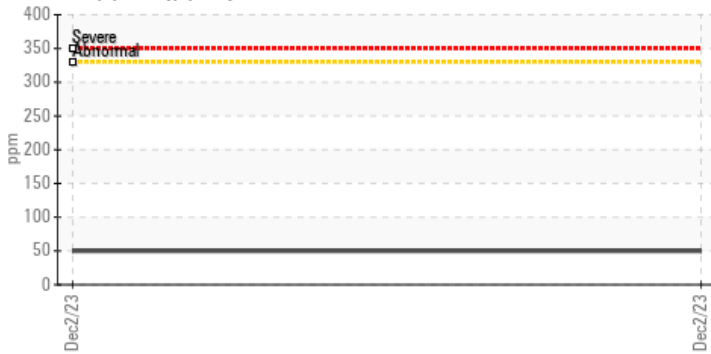
Aluminum (ppm)



Chromium (ppm)



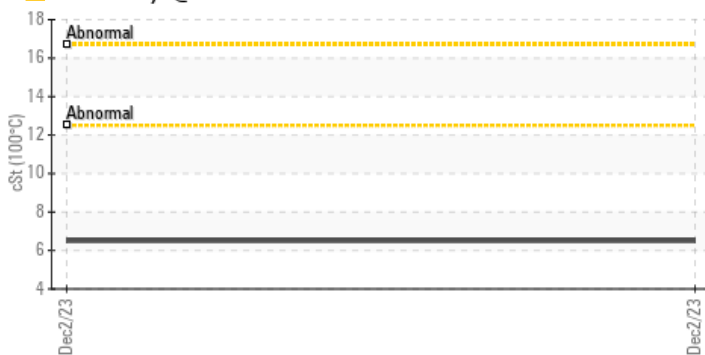
Copper (ppm)



Silicon (ppm)



▲ Viscosity @ 100°C



Base Number

